

## **QUESTIONS & ANSWERS JN: 50758C CS: 41132**

US-131 NB & SB from W. River Drive to 1,420 Ft. North of 10 Mile Road; Including Ramps

Q1: Survey limits are right-of-way to right-of-way and include median along the mainline and on/off ramps, will we need to have the DTM cover the entire area (the median is quite wide between Post Dr. and 10 Mile)?

A1: The intent of this Scope of Design Survey Services is to pick up enough information to show the drainage patterns needed to design the road. Areas that have large slopes will need to have enough information to accurately depict the tie in points of the slope. Other areas that are relatively flat may not need to be surveyed to the ROW but will need the approval of the MDOT Project Manager or Engineer.

Ramp areas should extend to the ROW and include spring points to bridge pavement.

Q2: Will we need to compute the right-of-way limits for the ramp areas.

A2: Yes.

Q3: Elevations on lane lines, edge of metal, edge of bit, shoulders, and break lines. Does this include the centerline on the mainline and ramps?

A3: Yes. The intent is to locate all lane lines and centerlines if there is a “seem” present. You do not have to interpolate lane lines. If a defined “seem” does not exist (in paved areas) than paint lines should be located.

Q4: Cross-sections taken at 50-foot intervals in curves. Does this mean 50-foot intervals on curves on the mainline where the radius may be a mile or two?

A4: Yes.

Q5: “All surface manifestations of utilities...” & “a list of all utilities within project limits must be submitted.” Does this mean we need to have underground utilities marked? Will MDOT supply as-built plans?

A5: The intent of the survey is to collect all above ground utilities within the project limits. A list of all utilities that were collected should be supplied in the project portfolio. Areas that have been flagged with underground utilities should be picked up but you do not need to have underground utilities flagged throughout the site. MDOT will provide as-built plans.